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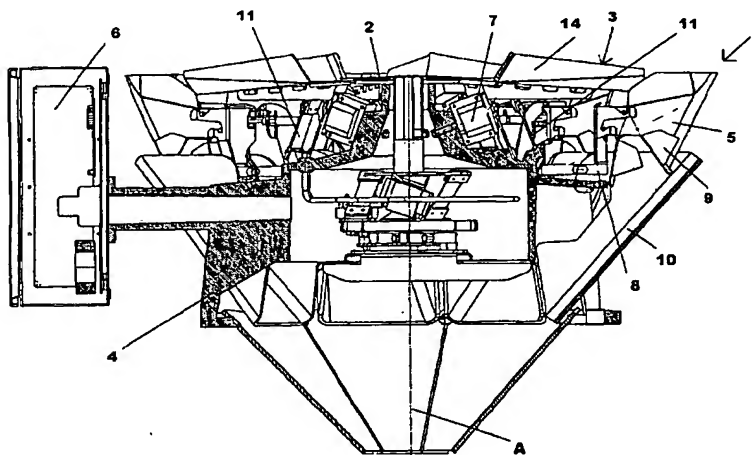
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(54) Title: A WEIGHING MACHINE



(57) Abstract: THE INVENTION RELATES TO A WEIGHING MACHINE FOR WEIGHING PORTIONS OF MATERIAL, WHICH WEIGHING MACHINE COMPRISES A FRAME STRUCTURE ON WHICH A CENTRAL DISTRIBUTOR, A PLURALITY OF LINEAR CONVEYORS AND A PLURALITY OF SCALES ARE MOUNTED, AND WHEREIN THE LINEAR CONVEYORS ARE ARRANGED AROUND THE CENTRAL DISTRIBUTOR AND EACH IS CONFIGURED AS A CONVEYOR DUCT SUSPENDED IN RELATION TO A COUNTERWEIGHT BY MEANS OF SPRING ELEMENTS EXTENDING BETWEEN THE CONVEYOR DUCT AND THE COUNTERWEIGHT IN SUCH A MANNER THAT THE TRANSPORT DUCT IS, BY MEANS OF A VIBRATOR INTENDED THEREFORE, CAUSED TO VIBRATE IN A VIBRATION PATTERN CAUSING IT TO TRANSPORT, DURING THE VIBRATION, MATERIAL FROM THE CENTRA DISTRIBUTOR AND RADIALLY OUTWARDS TO THE SCALES. THE INVENTION IS CHARACTERISED IN THAT THE COUNTERWEIGHT FOR EACH OF THE TRANSPORT DUCTS IN THE LINEAR CONVEYORS ARE CONSTITUTED OF THE FRAME STRUCTURE OF THE MACHINE, THE SPRING ELEMENTS FOR EACH TRANSPORT DUCT BEING MOUNTED DIRECTLY ON THE FRAME STRUCTURE.

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